

10038321_CLSTITLES.txt

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 10038321 on February 26, 2003

9 701/70 (3 OR, 6 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION

701/70 . Indication or control of braking,
acceleration, or deceleration

9 701/96 (5 OR, 4 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION

701/70 . Indication or control of braking,
acceleration, or deceleration

701/93 .. Vehicle speed control (e.g., cruise control)

701/96 ... Having inter-vehicle distance or speed
control

8 340/995 (1 OR, 7 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL
340/988 VEHICLE POSITION INDICATION

340/995 . Map display

8 701/65 (1 OR, 7 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION

701/51 . Transmission control

701/65 .. Responsive to road, external, or ambient
condition

6 701/1 (5 OR, 1 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION

6 701/200 (1 OR, 5 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

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701/200 NAVIGATION

5 701/208 (0 OR, 5 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/200 NAVIGATION

701/207 .Employing position determining equipment

701/208 ..For use in a map data base system

5 701/23 (2 OR, 3 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION

701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION

701/23 .Automatic route guidance vehicle

4 180/167 (1 OR, 3 XR)

Class 180 : MOTOR VEHICLES

180/167 WITH MEANS FOR CONTROLLING OPERATION RESPONSIV

E
E, OR SOUND
OM OBJECT OR
TO ELECTROMAGNETIC RADIATION, MAGNETIC FORC
WAVES RECEIVED FROM SOURCE, OR REFLECTED FR
SURFACE, LOCATED APART FROM VEHICLE

4 180/65.2 (0 OR, 4 XR)

Class 180 : MOTOR VEHICLES

180/54.1 POWER

180/65.1 .Electric

180/65.2 ..Combined with nonelectric drive means

4 340/436 (0 OR, 4 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/425.5 LAND VEHICLE ALARMS OR INDICATORS

340/436 .Of collision or contact with external object

4 340/438 (3 OR, 1 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/425.5 LAND VEHICLE ALARMS OR INDICATORS

340/438 .Internal alarm or indicator responsive to a
condition of the vehicle

4 340/439 (0 OR, 4 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/425.5 LAND VEHICLE ALARMS OR INDICATORS

340/438 .Internal alarm or indicator responsive to a

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condition of the vehicle

340/439 ..Operation efficiency (e.g., engine performance, driver habits)

4 340/461 (2 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/425.5 LAND VEHICLE ALARMS OR INDICATORS

340/438 .Internal alarm or indicator responsive to a condition of the vehicle

340/459 ..Plural conditions

340/461 ...With particular display means

4 340/903 (0 OR, 4 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/901 EXTERNAL CONDITION VEHICLE-MOUNTED INDICATOR O

R

ALARM

340/902 .Transmitter in another vehicle (e.g., emergency vehicle)

340/903 ..Relative distance between vehicles (e.g., collision alert)

4 342/70 (3 OR, 1 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES

342/61 RETURN SIGNAL CONTROLS EXTERNAL DEVICE

342/70 .Radar mounted on and controls land vehicle

4 342/71 (1 OR, 3 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES

342/61 RETURN SIGNAL CONTROLS EXTERNAL DEVICE

342/70 .Radar mounted on and controls land vehicle

342/71 ..With control of brakes or steering

4 701/111 (1 OR, 3 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION

701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION

701/99 .With indicator or control of power plant (e.g., performance)

701/101 ..Internal-combustion engine

701/102 ...Digital or programmed data processor

701/111Vibration, roughness, knock

3 73/114 (0 OR, 3 XR)

Class 073 : MEASURING AND TESTING

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73/112 POWER PLANT OR UNIT EFFICIENCY
73/113 ..Automobile fuel consumption
73/114 ..Miles per gallon

3 73/117.3 (1 OR, 2 XR)

Class 073 : MEASURING AND TESTING
73/116 MOTOR AND ENGINE TESTING
73/117.2 ..Disparate tests under operating conditions
73/117.3 ..With continuous operation

3 180/169 (1 OR, 2 XR)

Class 180 : MOTOR VEHICLES
180/167 WITH MEANS FOR CONTROLLING OPERATION RESPONSIV

E
CE, OR SOUND

ROM OBJECT OR

SURFACE, LOCATED APART FROM VEHICLE

180/169 ..Radiation, force, or waves reflected from
external object or surface

3 180/197 (1 OR, 2 XR)

Class 180 : MOTOR VEHICLES
180/197 WITH MEANS FOR DETECTING WHEEL SLIP DURING
VEHICLE ACCELERATION AND CONTROLLING IT BY
REDUCING

APPLICATION OF POWER TO WHEEL

3 180/65.4 (1 OR, 2 XR)

Class 180 : MOTOR VEHICLES
180/54.1 POWER
180/65.1 ..Electric
180/65.3 ..With means on vehicle for generating power
for the electric motor
180/65.4 ...Generating means is driven by a prime mover

3 318/139 (2 OR, 1 XR)

Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS
318/139 BATTERY-FED MOTOR SYSTEMS

3 340/435 (2 OR, 1 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL
340/425.5 LAND VEHICLE ALARMS OR INDICATORS
340/435 ..Of relative distance from an obstacle

3 340/471 (0 OR, 3 XR)

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Class 340 : COMMUNICATIONS: ELECTRICAL
340/425.5 LAND VEHICLE ALARMS OR INDICATORS
340/468 .External signal light system
340/471 ..Hazard warning or distress signalling

3 340/990 (0 OR, 3 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/988 VEHICLE POSITION INDICATION
340/989 .At remote location
340/990 ..With map display

3 342/357.13 (0 OR, 3 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/350 DIRECTIVE
342/352 .Including a satellite
342/357.01 ..With position indicating
342/357.06 ...Using Global Positioning Satellite (GPS or
Glonass)
342/357.13With storage device (i.e., map or database

)

3 701/211 (1 OR, 2 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/200 NAVIGATION
701/207 .Employing position determining equipment
701/208 ..For use in a map data base system
701/211 ...Having audio or visual route guidance

3 701/213 (0 OR, 3 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/200 NAVIGATION
701/207 .Employing position determining equipment
701/213 ..Using Global Positioning System (GPS)

3 701/301 (2 OR, 1 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/300 RELATIVE LOCATION
701/301 .Collision avoidance

2 137/625.65 (0 OR, 2 XR)
Class 137 : FLUID HANDLING
137/561R SYSTEMS
137/625 .Multi-way valve unit

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137/625.2 ..Supply and exhaust
137/625.65 ...Motor-operated

2 180/248 (1 OR, 1 XR)
Class 180 : MOTOR VEHICLES
180/233 HAVING FOUR WHEELS DRIVEN
180/248 .With differential means for driving two wheel
sets at dissimilar speeds

2 180/422 (2 OR, 0 XR)
Class 180 : MOTOR VEHICLES
180/400 STEERING GEAR
180/417 .With fluid power assist
180/421 ..With condition modulated steering
180/422 ...With electrical control

2 180/446 (2 OR, 0 XR)
Class 180 : MOTOR VEHICLES
180/400 STEERING GEAR
180/443 .With electric power assist
180/446 ..Condition modulated

2 180/65.1 (0 OR, 2 XR)
Class 180 : MOTOR VEHICLES
180/54.1 POWER
180/65.1 .Electric

2 251/30.05 (0 OR, 2 XR)
Class 251 : VALVES AND VALVE ACTUATION
251/12 FLUID ACTUATED OR RETARDED
251/25 .Pilot or servo type motor
251/30.01 ..Electrically actuated pilot valve
251/30.02 ...Main valve biased closed by fluid pressure
251/30.05Fluid pressure sole means for biasing valv
e
closed

2 280/5.51 (0 OR, 2 XR)
Class 280 : LAND VEHICLES
280/5.5 SUSPENSION MODIFICATION ENACTED DURING TRAVEL
(I.E., ACTIVE SUSPENSION CONTROL)
280/5.508 .Lateral vehicle disposition
280/5.51 ..Steering element responsive (e.g., steering
angle, steering rate)

2 280/5.512 (1 OR, 1 XR)
Class 280 : LAND VEHICLES

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280/5.5 SUSPENSION MODIFICATION ENACTED DURING TRAVEL
(I.E., ACTIVE SUSPENSION CONTROL)

280/5.508 .Lateral vehicle disposition

280/5.51 ..Steering element responsive (e.g., steering angle, steering rate)

280/5.512 ...Including suspension stiffness for ride comfort (e.g., damping coefficient, spring rate)

2 303/3 (1 OR, 1 XR)

Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS

303/2 MULTIPLE SYSTEMS

303/3 .Fluid pressure and electric

2 318/376 (0 OR, 2 XR)

Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS

318/362 BRAKING

318/375 .Dynamic braking

318/376 ..Regenerative

2 340/426 (0 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/425.5 LAND VEHICLE ALARMS OR INDICATORS

340/426 .Of burglary or unauthorized use

2 340/457.3 (1 OR, 1 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/425.5 LAND VEHICLE ALARMS OR INDICATORS

340/438 .Internal alarm or indicator responsive to a condition of the vehicle

340/457 ..Reminder

340/457.3 ...Of parking brake application

2 340/459 (1 OR, 1 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/425.5 LAND VEHICLE ALARMS OR INDICATORS

340/438 .Internal alarm or indicator responsive to a condition of the vehicle

340/459 ..Plural conditions

2 340/463 (0 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/425.5 LAND VEHICLE ALARMS OR INDICATORS

340/463 .External alarm or indicator of movement

2 340/468 (1 OR, 1 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/425.5 LAND VEHICLE ALARMS OR INDICATORS

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340/468 .External signal light system

2 340/575 (0 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL
340/500 CONDITION RESPONSIVE INDICATING SYSTEM
340/540 .Specific condition
340/573.1 ..Human or animal
340/575 ...Sleep

2 340/576 (2 OR, 0 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL
340/500 CONDITION RESPONSIVE INDICATING SYSTEM
340/540 .Specific condition
340/573.1 ..Human or animal
340/576 ...Drive capability

2 340/901 (2 OR, 0 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL
340/901 EXTERNAL CONDITION VEHICLE-MOUNTED INDICATOR O

R

ALARM

2 340/902 (0 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL
340/901 EXTERNAL CONDITION VEHICLE-MOUNTED INDICATOR O

R

ALARM

340/902 .Transmitter in another vehicle (e.g.,
emergency vehicle)

2 340/904 (0 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL
340/901 EXTERNAL CONDITION VEHICLE-MOUNTED INDICATOR O

R

ALARM

340/904 .Transmitter in one vehicle only

2 340/905 (0 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL
340/901 EXTERNAL CONDITION VEHICLE-MOUNTED INDICATOR O

R

ALARM

340/905 .Highway information (e.g., weather, speed
limits, etc.)

2 340/937 (0 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL
340/933 VEHICLE DETECTORS

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340/937 .With camera

2 340/988 (1 OR, 1 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/988 VEHICLE POSITION INDICATION

2 342/101 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/73 RETURN SIGNAL CONTROLS RADAR SYSTEM
342/89 .Receiver
342/98 ..Frequency
342/99 ...Doppler frequency tracking
342/101With filter control

2 342/114 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/104 DETERMINING VELOCITY
342/114 .Combined with determining sense of motion
(i.e., approaching or receding)

2 342/129 (1 OR, 1 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/118 DETERMINING DISTANCE
342/128 .With frequency modulation
342/129 ..Plural frequencies transmitted

2 342/357.06 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/350 DIRECTIVE
342/352 .Including a satellite
342/357.01 ..With position indicating
342/357.06 ...Using Global Positioning Satellite (GPS or
Glonass)

2 342/357.1 (2 OR, 0 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/350 DIRECTIVE
342/352 .Including a satellite
342/357.01 ..With position indicating
342/357.06 ...Using Global Positioning Satellite (GPS or
Glonass)
342/357.1Combined with telecommunication

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2 382/104 (2 OR, 0 XR)
Class 382 : IMAGE ANALYSIS
382/100 APPLICATIONS
382/104 .Vehicle or traffic control (e.g., auto, bus,
or train)

2 477/97 (1 OR, 1 XR)
Class 477 : INTERRELATED POWER DELIVERY CONTROLS,
INCLUDING ENGINE CONTROL
477/34 TRANSMISSION CONTROL
477/97 .Control by sensed ambient condition, pattern
indicia, external signal, or temperature

2 701/117 (0 OR, 2 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION
701/117 .Traffic analysis or control of surface vehicl
e

2 701/123 (1 OR, 1 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION
701/123 .With indication of fuel consumption rate or
economy of usage

2 701/201 (1 OR, 1 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/200 NAVIGATION
701/201 .Determination of travel data based on the
start point and destination point

2 701/209 (0 OR, 2 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/200 NAVIGATION
701/207 .Employing position determining equipment
701/208 ..For use in a map data base system
701/209 ...Including route searching or determining
device

2 701/22 (1 OR, 1 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND

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RELATIVE LOCATION

701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION

701/22 .Electric vehicle

2 701/24 (0 OR, 2 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION

701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION

701/23 .Automatic route guidance vehicle

701/24 ..On-board computer interact with a host
 computer

2 701/35 (0 OR, 2 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION

701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION

701/29 .Vehicle diagnosis or maintenance indication

701/35 ..With data recording device

2 701/36 (0 OR, 2 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION

701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION

701/36 .Vehicle subsystem or accessory control

2 701/41 (0 OR, 2 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION

701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION

701/36 .Vehicle subsystem or accessory control

701/41 ..Steering control

2 701/48 (1 OR, 1 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
 RELATIVE LOCATION

701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
 INDICATION

701/36 .Vehicle subsystem or accessory control

701/48 ..Cooperative or multiple control (e.g.,
 suspension and braking)

2 701/49 (2 OR, 0 XR)

Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND

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RELATIVE LOCATION
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION
701/36 .Vehicle subsystem or accessory control
701/49 ..Vehicle equipment position control (e.g.,
seat, mirror, door, window, headrest, or he
adlamp)
2 701/54 (0 OR, 2 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION
701/51 .Transmission control
701/53 ..And other vehicle control
701/54 ...Engine output control
2 701/83 (0 OR, 2 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR
INDICATION
701/70 .Indication or control of braking,
acceleration, or deceleration
701/82 ..Antispin, traction control, or drive slip
control
701/83 ...Control of brake pressure